

Title (en)  
EXHAUST GAS PURIFYING APPARATUS

Title (de)  
ABGASREINIGUNGSANLAGE

Title (fr)  
APPAREIL DE PURIFICATION DE GAZ D'ÉCHAPPEMENT

Publication  
**EP 2141333 B1 20130515 (EN)**

Application  
**EP 08740674 A 20080418**

Priority  
• JP 2008057627 W 20080418  
• JP 2007117573 A 20070426

Abstract (en)  
[origin: EP2141333A1] Disclosed is an exhaust gas purifying apparatus which can purify NOx over a wide temperature region from a low temperature region to a high temperature region. Specifically disclosed is an exhaust gas purifying apparatus (10) disposed in an exhaust path of an internal combustion engine (20) for purifying the exhaust gas discharged from the internal combustion engine (20). This exhaust gas purifying apparatus (10) is characterized by including a first purifying unit (11) disposed at an upstream side of the exhaust path and having a three-way catalyst, and a second purifying unit (12) disposed downstream of the first purifying unit (11). This exhaust gas purifying apparatus (10) is further characterized in that the second purifying unit (12) includes a first NOx purifying section (13) having at least one kind of NOx catalyst, and a second NOx purifying section (14) disposed downstream of the first NOx purifying section (13) and having a NOx catalyst having a higher operating temperature than the NOx catalyst in the first NOx purifying section (13).

IPC 8 full level  
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Cited by  
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